

WOODS HOLE, MARTHA'S VINEYARD AND NANTUCKET STEAMSHIP AUTHORITY

2021 CAPITAL BUDGET (Preliminary Draft)

AS OF 2/10/2021

FUNDS TO BE PROVIDED FOR CAPITAL PROJECTS

	AMOUNT AVAILABLE AS OF 2/10/2021	ESTIMATED ADD'L TRANSFERS/DEPOSITS	ESTIMATED AMOUNT NEEDED TO COMPLETE CURRENT AUTHORIZED CAPITAL PROJECTS (FROM PAGE 2)	AMOUNT FOR PROPOSED NEW CAPITAL PROJECTS (FROM PAGE 3)	REMAINING AMOUNT FOR CONTINGENCIES AND / OR FUTURE PROJECTS
<u>FUNDS TO BE PROVIDED:</u>					
Replacement Fund	\$ 7,462,468	① \$ 12,500,000	③ \$ 9,130,643	\$ 6,696,511	\$ 4,135,314
Bond Redemption Account	848,378	-	④ -	-	\$ 848,378
Capital Improvement Fund	6,723,829	② -	⑤ 6,720,000	-	\$ 3,829
TOTAL FUNDS TO BE PROVIDED	15,034,675	12,500,000	15,850,643	6,696,511	\$ 4,987,521

① Net of current commitments or accruals to be paid from the Replacement Fund.

② Net of current commitments or accruals to be paid from the Capital Improvement Fund.

③ Additional transfers consist of \$12,500,000 which is expected to be transferred to the Replacement Fund during 2021. (Per Budget)

④ Additional transfers include some \$0 which is expected to be transferred to the Bond Redemption Account during 2021. (Per Budget)

⑤ Additional deposit of \$0 from sale of bonds or bond anticipation notes which is expected to be received during 2021.

BOND AUTHORIZATION FOR FUTURE PROJECTS - AS OF 01/01/2021	BOND PRINCIPAL PAYMENT DUE 03/01/2021	BOND / NOTE ISSUE	BOND AUTHORIZATION FOR FUTURE PROJECTS - AS OF 01/31/2021

AVAILABLE BOND AUTHORIZATION:

Current Authorization	100,000,000		100,000,000
Bonds Outstanding	80,900,000	7,745,000	-
Bond or Bond Anticipation Notes	-	-	-
TOTAL AVAILABLE BOND AUTHORIZATION	19,100,000	7,745,000	-
			26,845,000

ESTIMATED AMOUNT NEEDED TO COMPLETE CURRENT CAPITAL PROJECTS AS OF 2/10/2021

Project Title	Est. Cost	Amount Paid to Date	Est. Cost to Complete
WH Terminal and Slips Design and Engineering	\$ 11,789,962	\$ 9,107,652	\$ 2,682,310
Woods Hole Terminal - Marine Construction Phase 4 Spring - Fall (2021)	16,514,945	3,910,522	12,604,423
Safety Management System (SQMS) (2019)	537,440	396,886	140,554
Reservation Computer System Replacement (2020)	710,000	706,779	3,221
Fire Suppression System - M/V Eagle	200,000	29,865	170,135
Miscellaneous Projects less than \$50,000	<u>250,000</u>	<u>0</u>	<u>250,000</u>
 TOTAL	 <u>\$ 30,002,347</u>	 <u>\$ 14,151,704</u>	 <u>\$ 15,850,643</u>

PROPOSED NEW CAPITAL PROJECTS - 2021

<u>PROJECT TITLE</u>	<u>ESTIMATED COST</u>
<u>PROPOSED CAPITAL PROJECTS TO BE PAID FROM THE REPLACEMENT FUND:</u>	
Shuttle Replacement - Golf Cart	\$ 10,095
Purchase of welding equipment for Fairhaven Maintenance Facility	\$ 12,412
Janan Handheld NFC Scanners - Grant Funds for 80% of Cost	\$ 50,000
Purchase 4 Heavy Duty 4 Post Lift	\$ 56,414
PC/Laptop Replacements	\$ 75,000
Shuttle Van Replacement - Hyannis	\$ 98,000
Shuttle Van Replacement - Woods Hole	\$ 98,000
Purchase JCB 512-56 Telescopic Telehander (Lull) for Fairhaven	\$ 157,000
Purchase and Installation of Cloud Server/Desktop Backup Devices	\$ 189,590
Install Outdoor Digital Signage at all 5 Terminals	\$ 250,000
Vessel Design and Engineering	\$ 500,000
Development of New Website and/or Mobile application - Grant Funds for 80% of Cost	\$ 2,000,000
Purchase 3 Electric Shuttle Buses - Approved at 1/25/21 Board Meeting - Grant Funds of \$875,000	\$ 2,950,000
Misc. Projects (less than \$50,000 each)	\$ 250,000
Total	\$ 6,696,511

Contingent upon obtaining additional funding in 2021 through State and/or Federal Grants and transfers to the Replacement Fund or the issuance of additional bonds or notes

New Maintenance Shop Building - Falmouth Maintenance Facility site	\$ 4,500,000
Total	\$ 4,500,000

CAPITAL IMPROVEMENT PLAN 2021 - 2031

The above schedule makes no prediction as to the possibility of receiving additional Federal or Commonwealth grants. The lack of any such grants may necessitate that several projects in capital improvement plan years 2021 thru 2031 to be deferred in order to stay within the Steamship Authority's current bond authorization limit of \$100,000,000.

2021 Capital Expenditure Project Requests

Project #	Project Priority	Project Title	Classification	Proposed Project Cost	Impact of Denial (Summary)
COMM-2021 - CAP-01	1	Development of New Website and/or Mobile application	Essential	\$ 2,000,000	Federal grant money has been approved to pay for 80% of Project.
COMM-2021 - CAP-02	2	Install Outdoor Digital Signage at all 5 Terminals	Desirable	\$ 250,000	We will continue our current method of having terminal workers relay status messages
				<u>\$ 2,250,000</u>	
E&M-2021 - CAP-01	1	Purchase JCB 512-56 Telescopic Telehander (Lull) for Fairhaven	Necessary	\$ 157,000	Cost of using outside crane service.
E&M-2021 - CAP-02	2	Purchase of welding equipment for Fairhaven Maintenance Facility	Essential	\$ 12,412	Maintenance costs for existing vessels will increase.
E&M-2021 - CAP-03	3	Purchase 4 Heavy Duty 4 Post Lift	Essential	\$ 56,414	Cost for repairs that can be done in house because they do not have the right equipment
				<u>\$ 225,826</u>	
MIS-2021 - CAP-01	1	Upgrade Cloud Server/Desktop Backup Capacity		\$ 189,590	Potential to become an emergency in the future. Device will have to be monitored for stability
MIS-2021 - CAP-02	2	PC/Laptop Replacements		\$ 75,000	PC/Laptops are needed as units fail as well as for training and remote work.
				<u>\$ 264,590</u>	
GM-2021 - CAP-01	1	Vessel Design and Engineering		<u>\$ 500,000</u>	
SO-2021 - CAP-01	1	Purchase 3 Electric Shuttle Buses - Approved at 1.25.21 Board Meeting	Essential	\$ 2,950,000	Customer Service will suffer as more bus breakdown. Grants awarded for this project.
SO-2021 - CAP-02	2	Shuttle Van Replacements - Hyannis	Essential	\$ 98,000.00	Customer service will suffer; more bus breakdowns due to age & mileage.
SO-2021 - CAP-03	3	Shuttle Van Replacements - Woods Hole	Essential	\$ 98,000	Customer service will suffer; more bus breakdowns due to age & mileage.
SO-2021 - CAP-04	4	Shuttle Replacement - Golf Cart	Essential	\$ 10,095	Customer who need assistance up the dock will have to walk the long distance
SO-2021 - CAP-05	5	Janan Handheld NFC Scanners	Essential	\$ 50,000	E-tickets will be unable to be scanned with handheld devices.
				<u>\$ 3,206,095</u>	
		Miscellaneous Projects (less than \$50,000 each)		<u>\$ 250,000</u>	
				<u>\$ 250,000</u>	
				<u><u>\$ 6,696,511</u></u>	

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
Operations Department**

Project Number: OPER2021 - CAP3

Project Priority: 3

Project Title: Golf Cart Replacement for Oak Bluffs

Year: 2021

Classification: Essential

Project Description: Purchase of 1 New Electric Golf Cart

Justification / ROI: There is a need to replace the worn out golf cart in Oak Bluffs that assists in helping passengers up and down the dock.

Impact of Denial: Customer service will suffer as customers who need assistance up the dock will have to walk the long distance due to the frequent breakdown of the current golf cart.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>			\$ 10,095	
<i>Time</i>				

Total Project Cost: \$10,095

Approvals:

Submitted By: Alison Fletcher Date: 12/17/2020

Approved By: _____ Date: _____

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
Engineering and Maintenance Department**

Project Number:

Project Priority:

Project Title: Miller CST 280 4-Pack Rack Welding Set-up

Year: 2021

Classification: Necessary

Project Description: Purchase of welding equipment for the Fairhaven Vessel Maintenance Facility. Miller CST 280 4-Pack Rack, 220-230/460-575, TWEKO.

Justification / ROI: Needed to replace old 6-pack rack of welding machines, four of which no longer function and are not repairable due to age and condition. This equipment is necessary for performing welding jobs on multiple vessels while in repair status without running welding cables across the pier, creating a safety hazard.

Impact of Denial: loss of production

unsafe conditions

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>	\$		\$	\$
<i>Time</i>				

Total Project Cost: \$ 12,412

Approvals:

Submitted By: Peter Tsarides **Date:** December 18, 2020

Approved By: Mark Amundsen **Date:** December 18, 2020

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
Operations Department**

Project Number: OPER2021 - CAP5

Project Priority: 1

Project Title: Janan Handheld NFC Scanners

Year: 2021

Classification: Essential

Project Description: Purchase 19 Janan handheld NFC/Barcode Readers

Justification / ROI:

To help with faster more efficient loading of the Authorities vessels. By allowing the employees to meet the customer and make it a more customer friendly environment.

Impact of Denial:

Continue with slow boarding of the vessels, and less customer friendly boarding.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>	\$		\$50,000	\$
<i>Time</i>				

Total Project Cost: \$50,000

Approvals:

Submitted By: Alison Fletcher _____ Date: 12/21/2020 _____

Approved By: _____ Date: _____

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
Operations Department**

Project Number: OPER2021 - CAP4

Project Priority: 1

Project Title: Rotary Heavy Duty 4 Post Lift, and Equipment

Year: 2021

Classification: Essential

Project Description: Rotary Heavy Duty 4 Post Lift, and Installation

Justification / ROI: This will help aid in the upkeep and service of our shuttle bus fleet. This is especially helpful with our 4 new buses.

Impact of Denial: Cost the Authority more money for repairs that can be done in house because they do not have the right equipment.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>			\$56,414.00	
<i>Time</i>				

Total Project Cost: \$56,414.00

Approvals:

Submitted By: Alison Fletcher Date: 12/18/2021

Approved By: _____ Date: _____

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
MIS Department**

Project Number: MIS2021-02

Project Priority: 1

Project Title: PC Replacements

Year: 2021

Classification:

Project Description: PC/Laptop purchases for 2021.

Justification / ROI: This project will be used to replace the twenty training laptops which were issued to remote workers during 2020 and to allow for replacement of computers during 2021.

Impact of Denial: Purchases will be done as needed.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>	\$		\$75,000	\$
<i>Time</i>				

Total Project Cost: \$75,000

Approvals:

Submitted By: _____ Date: _____

Approved By: _____ Date: _____

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
Operations Department**

Project Number: OPER2021 - CAP1
Project Priority: 1
Project Title: Shuttle Bus Replacement (1) - Hyannis
Year: 2021

Classification: Essential
Project Description: Purchase of 1 New Electric Shuttle Bus

Justification / ROI: This will continue the current replacement plan of the shuttle vans. The Steamship Authority currently owns 3 shuttle vans (4 were CNG and no longer relevant knocking the fleet down from 7 to 3). The purchase of these busses will allow for one of the current older vans to be retired.

Impact of Denial: Customer service will suffer as more buses breakdown due to their age and mileage.

Project Cost Estimates:
Study *Design* *Purchase* *Construction*
Dollars \$ 98,000.00
Time

Total Project Cost: \$98,000.00

Approvals:

Submitted By: Alison Fletcher Date: 12/18/2021

Approved By: _____ Date: _____

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
Operations Department**

Project Number: OPER2021 - CAP2

Project Priority: 1

Project Title: Shuttle Bus Replacement (1) - Woods Hole

Year: 2021

Classification: Essential

Project Description: Purchase of 1 New Shuttle Bus

Justification / ROI: This will continue the current replacement plan of the shuttle vans. The Steamship Authority currently owns 3 shuttle vans (4 were CNG and no longer relevant knocking the fleet down from 7 to 3). The purchase of these busses will allow for one of the current older vans to be retired.

Impact of Denial: Customer service will suffer as more buses breakdown due to their age and mileage.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>			\$ 98,000.00	
<i>Time</i>				

Total Project Cost: \$98,000.00

Approvals:

Submitted By: Alison Fletcher Date: 12/18/2020

Approved By: _____ Date: _____

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
Engineering and Maintenance Department**

Project Number:

Project Priority:

Project Title: JCB 512-56 (Telescopic Telehandler, "Lull")

Year: 2021

Classification: Necessary

Project Description: Purchase of JCB 512-56 for Fairhaven Maintenance Facility.

Justification / ROI: This equipment is necessary for the safe movement of tools and equipment on and off the vessels. This equipment would also significantly reduce our reliance on an outside crane service for both routine and out of the ordinary maintenance and repair evolutions. Routine annual maintenance for life rafts alone is approximately \$2000 to \$3000 per vessel. Using an outside crane service also causes scheduling difficulties. The Authority is currently renting a lull to move tools and equipment at the Fairhaven maintenance facility.

Impact of Denial: Continued cost and inconvenience of using renting a lull and outside using an outside crane service.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>	\$		\$	\$
<i>Time</i>				

Total Project Cost: \$ 157,000.00

Approvals:

Submitted By: Peter Tsarides **Date:** December 18, 2020

Approved By: Mark Amundsen **Date:** December 18, 2020

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
MIS Department**

Project Number: MIS2021-01

Project Priority: 1

Project Title: New Cloud Server/Desktop Backup Devices

Year: 2021

Classification:

Project Description: Increase Capacity for Server and Desktop backups and move replicated copy to cloud. Currently we have two physical devices one at Palmer and the other at Mashpee. The Palmer device replicates its backup data to Mashpee. The two new devices would be installed at Palmer and become part of the primary backup storage. The replication copy would move to cloud storage with a 5-year plan.

Justification / ROI: Currently the vendor recommends that the device's storage usage does not go above 50% of the total storage available. The device at Palmer as of 2/10/21 was at 81%.

Impact of Denial: Purchase may become an emergency at some point in the future. Device will have to monitored for stability.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>	\$		\$189,590	\$
<i>Time</i>				

Total Project Cost: \$189,590

Approvals:

Submitted By: _____ Date: _____

Approved By: _____ Date: _____

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
COMMUNICATIONS AND MARKETING Department

Project Number:

Project Priority: DESIRABLE

Project Title: TERMINAL INFORMATION DISPLAYS

Year: 2021

Classification: NEW EQUIPMENT

Project Description:

Install digital information displays at each of the five (5) terminal locations. Units will be located both outside and inside.

Justification / ROI:

Communication with customers at our terminals has consistently been identified as a weakness in our operation. These devices will allow for unified messaging to be delivered to customers at each location to inform them of valuable operational updates in real time.

Impact of Denial:

We continue our current method of having terminal workers relay messages verbally, which can result in mixed messaging, incorrect information being relayed and adding a time-consuming task to their duties.

Project Cost Estimates:

	Study	Design	Other	Construction
Dollars	\$	\$	\$	\$
Time				

Total Project Cost: APPROXIMATELY \$250,000

Approvals:

Submitted By:



Sean F. Driscoll

Date: December 18, 2020

Approved By: _____

Date: _____

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
General Manager Department**

Project Number: GM-2021-CAP-01

Project Priority: Essential

Project Title: Study, Design and Engineering Services for a Replacement Vessel

Year: 2021

Project Description: To undertake the initial process to study, design and engineer a new vehicle/passenger ferry.

Among the preliminary steps in this process will be to conduct a survey on the conditions of the Authority's vessels by a qualified marine surveyor. A review of the changing operational needs of the Steamship Authority to identify vessel requirements and efficiencies for reliable service also will be conducted during the study phase, as will be an evaluation on the feasibility for alternative power technology systems.

Justification / ROI: Several vessels within the Authority's fleet are nearing their functional obsolescence and useful life. The Authority must continue its replacement program to ensure it can continue to provide reliable, safe transportation for the Islands of Martha's Vineyard and Nantucket.

Impact of Denial: The cost of vessel maintenance will increase over time, vessel down time due to maintenance repairs will increase and longer shipyard periods will be required.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other/Purchase</i>	<i>Construction</i>
<i>Dollars</i>	\$100,000	\$400,000	\$	\$

Total Project Cost: \$500,000

Approvals:

Submitted By: _____ Date: _____

Approved By: _____ Date: _____

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
Communications and Marketing Department

Project Number:

Project Priority: ESSENTIAL

Project Title: NEW STEAMSHIP AUTHORITY WEBSITE

Year: 2021

Classification:

Project Description:

Development of a new website and/or mobile application for Steamship Authority

Justification / ROI:

Current website is more than seven (7) years old and does not meet modern design and usability standards. A new website will allow better engagement with our customers and an easier interface to promote our service.

Impact of Denial:

Continued frustration on part of the customer at inability to easily find crucial information.

Project Cost Estimates:

	Study	Design	Other	Construction
Dollars	\$		\$	\$
Time				
Total Project Cost:	\$2,000,000			

Approvals:

Submitted By:


Sean F. Driscoll

Date: December 18, 2020

Approved By: _____ Date: _____

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority
2021 Capital Expenditure Project Request
Operations Department**

Project Number: OPER2021 - CAP6

Project Priority: 1

Project Title: Shuttle Bus Replacement (3) - Woods Hole

Year: 2021

Classification: Essential

Project Description: Purchase of 3 New Electric Shuttle Bus

Justification / ROI: This will continue the current replacement plan of the shuttle buses. The Steamship Authority currently owns 24 large shuttle buses (21 passenger and 3 bike buses). The new buses will be equipped with air conditioning and will be electric. The purchase of these busses will allow for one of the current older buses to be retired and another bus to be converted to a bike bus. It should be noted that the price below is for all three buses.

Impact of Denial: Customer service will suffer as more buses breakdown due to their age and mileage.

Project Cost Estimates:

	Study	Design	Purchase	Construction
<i>Dollars</i>			\$ 2,950,000	
<i>Time</i>				

Total Project Cost: \$2,950,000

Approvals:

Submitted By: Alison Fletcher Date: 12/21/2020

Approved By: _____ Date: _____